



QP CODE: 25047392



25047392

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc OPERATIONS RESEARCH AND COMPUTER APPLICATIONS

Core Course - CE020303 - SOFTWARE ENGINEERING UML AND CASE STUDY

2019 ADMISSION ONWARDS

AE64E1F4

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Give examples for Emergent Properties.
2. What is Debugging?
3. What is WorkBenches?
4. What do you mean by system requirements?
5. What is Feasibility Study?
6. What is Viewpoint System Mapping?
7. What do you mean By Modular Decomposition?
8. What do you mean by Precedentedness?
9. What do you mean by Process Exception?
10. What is interaction View?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Differentiate Between Work Flow Model and Data Flow Model.
12. Explain the feasibility studies. What are the outcomes? Does it have either implicit or explicit effects on software requirement collection?
13. Explain Validation Techniques in detail.
14. Explain Object Behavioural Modelling with an example.





15. Explain State Machine Model in Detail?
16. Explain the importance of Working Environments In Group Working.
17. Explain Quality Assurance In detail.
18. What are the Visibility modes in Packages?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Briefly explain the purpose of each sections in a software project plan.
20. Explain System Requirements in Detail.
21. Briefly explain Verification and Validation in detail.
22. Explain size related measures and Function Related Measures in detail.

(2×5=10 weightage)

